We touch your electricity everyday!

C&S electric | CELEBRATING 50 YEARS

MANUFACTURER'S TEST REPORT

Date: 04.07.2018

PRODUCT CODE: - INDUS-I/70W
ORDERING CODE: - LTESSI70WLED
Product Description: 70W LED Street Light
Lot Qty.: 200 Nos.
Specification Ref: IS 10322 (Part5/Sec3): 2012, QAP/LT/LED/16

S. No.	Test Name	Test Equipment/ Standard	Requirement as per Specification	Observation (Range)	Result
a)	**Routine Tests (100% Qty):**				
1.	Visual Examination	Visual	**I) Marking** a) Branding b) Ordering Code c) Product Description d) Voltage e) Rated Wattage	a) C&S Electric Ltd b) LTESSI70WLED c) 70W LED Street Light d) 240V ~ 50Hz e) 70W	Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory
2.	Insulation Resistance	Insulation Resistance Tester	at 500V DC for a period of 1 minute, it should be >2MΩ	Greater Than 100 MΩ	Satisfactory
3.	Electric Strength Test	High Voltage Breakdown Tester	The test was conduct at 1.5kv for a period of 1 minute	Withstood	Satisfactory
4.	Ageing Test	Ageing test Rack	Burning of Luminaries for 4 Hrs	Withstood	Satisfactory
5.	Wattage Check	Power Analyzer	70W±10%	Withstood	Satisfactory
b)	**Acceptance/Inspection Tests (5 Nos):**				
1.	a) Voltage Range (V) b) Supply Voltage (V) c) Circuit Current (A) d) Total Wattage (W) e) Power Factor f) THDi (%)	Power Analyzer with ac source	a) 120V-280V, 50Hz b) 240V ~ 50Hz c) 0.340A ± 10% d) 70W ±10% e) ≥ 0.90 f) ≤ 10%	a) 120V-280V, 50Hz b) 240V ~ 50Hz c) 0.330-0.355A d) 68.8W – 71.3W e) 0.936 – 0.987 f) 5.82 – 9.33	Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory
2.	IP66	a) Complete protection against dust as per Standard b) Protection Against power full jet (Hose Nozzle 12.5mm from 3mtr distance duration 3min) Pressure –100KPa at a distance of 3mtr Water Volume – 100Ltr	a) No deposit of dust having a particle size of 75µm inside the luminaire b) The test has been carried out by spraying the enclosure from any direction	Ok Ok	Satisfactory Satisfactory
c)	**Type Tests (1 Nos):**				
1.	Photometric Test a) Lumen (lm) b) CCT (K) c) CRI	Integrating Sphere	a) 7000lm±10% b) 6500K±500K c) ≥ 70	g) 7095 lm h) 6190 K i) 71.4	Satisfactory Satisfactory Satisfactory
2	a) Surge Protection	Surge generator	a) Inbuilt up to 5kV	a) Withstood	Satisfactory

Tested By

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Approved By

C & S Electric Ltd. A-163, Sec-80, Noida

Scanned by CamScanner